

Docket No. 211897US99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Robert J. HIGGINS, et al.

SERIAL NO: 09/911,496

GAU: 2814

FILED: July 25, 2001

EXAMINER: WILLE

FOR: MONOLITHIC SEMICONDUCTOR-PIEZOELECTRIC DEVICE STRUCTURES AND ELECTRO-ACOUSTIC CHARGE TRANSPORT DEVICES

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references were submitted in application Serial No. 09/908,888 according to the attached copy of a Granted Petition. This application contains related subject matter.
- ☒ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

11/07/2003 HGUTEMA1 00000018 09911496

01 FC:1806

180.00 OP

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

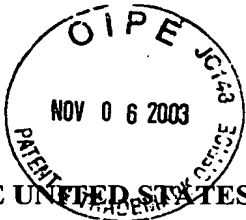
Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Richard L. Treanor

Registration No. 36,379

RECEIVED
NOV 14 2003
2800 MAIL ROOM



2814#

NOV 06 2003

SHEET 1 OF 4

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 211897US99		SERIAL NO. 09/911,496	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Robert J. HIGGINS, et al.			
				FILING DATE July 25, 2001		GROUP 2814	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	XN	6,233,435 B1	05/15/01	WONG			
	XO	4,723,321	02/02/88	SALEH			
	XP	6,181,920 B1	01/30/01	DENT ET AL			
	XQ	6,415,140 B1	07/02/02	BENJAMIN ET AL			
	XR	5,760,740	06/02/98	BLODGETT			
	XS	5,238,877	08/24/93	RUSSELL			
	XT	4,876,218	10/24/89	PESSA ET AL			
	XU	6,232,242 B1	05/15/01	HATA ET AL			
	XV	4,378,259	03/29/83	HASEGAWA ET AL			
	XW	6,278,541 B1	08/21/01	BAKER			
	XY	4,298,247	11/03/81	MICHELET ET AL			
	XZ	4,174,504	11/13/79	CHENAUUSKY ET AL			
	YA	3,758,199	09/11/73	THAXTER			
	YB	6,362,558 B1	03/26/02	FUKUI			
	YC	6,140,746	10/31/00	MIYASHITA ET AL			
	YD	2002/0076878 A1	06/20/02	WASA ET AL			
	YE	6,419,849 B1	07/16/02	QIU ET AL			
	YF	2002/0179000 A1	12/05/02	LEE ET AL			
	YG	6,341,851	01/29/02	TAKAYAMA ET AL			
	YH	2001/0055820 A1	12/27/01	SAKURAI ET AL			
	YI	6,204,525 B1	03/20/01	SAKURAI ET AL			
	YJ	5,985,404	11/16/99	YANO ET AL			
	YK	6,538,359 B1	03/25/03	HIRAKU ET AL			
	YL	6,498,358 B1	12/24/02	LACH ET AL			
	YM	5,387,811	02/07/95	SAIGOH			
	YN	5,523,602	06/04/96	HORIUCHI ET AL			
	YO	5,362,998	11/08/94	IWAMURA ET AL			
	YP	5,188,976	02/23/93	KUME ET AL			
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

 RECEIVED
 NOV 14 2003
 TC-2300 MAIL ROOM

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

211897US99

SERIAL NO.

09/911,496

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Robert J. HIGGINS, et al.

FILING DATE

July 25, 2001

GROUP

2814

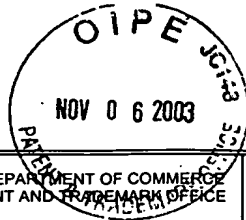
U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	YQ	6,501,121 B1	12/31/02	YU ET AL			
	YR	5,919,515	07/06/99	YANO ET AL			
	YS	5,238,877	08/24/93	RUSSELL			
	YT	5,540,785	07/30/96	DENNARD ET AL			
	YU	5,997,638	12/07/99	COPEL ET AL			
	YV	6,291,866	09/18/01	WALLACE			
	YW	5,365,477	11/15/94	COOPER, JR ET AL			
	YX	5,548,141	08/20/96	MORRIS ET AL			
	YY	2002/0021855	02/21/02	KIM			
	YZ	6,110,840	08/29/00	YU			
	ZA	5,667,586	09/16/97	EK ET AL			
	ZB	5,313,058	05/17/94	FRIEDERICH ET AL			
	ZC	5,315,128	05/24/94	HUNT ET AL			
	ZD	5,919,522	07/06/99	BAUM ET AL			
	ZE	4,843,609	06/27/89	OHYA ET AL			
	ZF	4,626,878	12/02/86	KUWANO ET AL			
	ZG	4,525,871	06/25/85	FOYT ET AL			
	ZH	3,818,451	06/18/74	COLEMAN			
	ZI	6,059,895	05/09/00	CHU ET AL			
	ZJ	4,447,116	05/08/84	KING ET AL			
	ZK	6,022,671	02/08/00	BINKLEY ET AL			
	ZL	5,754,714	05/19/98	SUZUKI ET AL			
	ZM	6,524,651 B2	02/25/03	GAN ET AL			
	ZN	6,355,945 B1	03/12/03	KADOTA ET AL			
	ZO	5,642,371	06/24/97	TOHYAMA ET AL			
	ZP	6,445,724 B2	09/03/02	ABELES			
	ZQ	5,753,934	05/19/98	YANO ET AL			
	ZR	6,326,667 B1	12/04/01	SUGIYAMA ET AL			
	ZS	6,051,874	04/18/00	MASUDA			
	ZT	5,166,761	11/24/92	OLSON ET AL			
	ZU	5,574,744	11/12/96	GAW ET AL			

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

211897US99

SERIAL NO.

09/911,496

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Robert J. HIGGINS, et al.

FILING DATE

July 25, 2001

GROUP

2814

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	CCA	5-238894	09/17/93	JAPAN W/ENGLISH ABSTRACT		
	CCB	2 152 315	07/31/85	GREAT BRITAIN		
	CCC	2001-196892	07/19/01	JAPAN W/ENGLISH ABSTRACT		
	CCD	2000-278085	10/06/00	JAPAN (ENGLISH ABSTRACT)		
	CCE	WO 03/012874	02/13/03	WIPO		
	CCF	1 043 427	10/11/00	EUROPE		
	CCG	1 069 605	01/17/01	EUROPE		
	CCH	WO 02/099885	12/12/02	WIPO		
	CCI	10-269842	10/09/98	JAPAN W/ENGLISH ABSTRACT		
	CCJ	59066183	04/14/84	JAPAN (ENGLISH ABSTRACT)		
	CCK	03046384	02/27/91	JAPAN (ENGLISH ABSTRACT)		
	CCL	WO 02/11254	02/07/02	WIPO		
	CCM	0 494 514	07/15/92	EUROPE		
	CCN	0 247 722	12/02/87	EUROPE		
	CCO	1 037 272	09/20/00	EUROPE		
	CCP	59-073498	04/25/84	JAPAN (ENGLISH ABSTRACT)		
	CCQ	60-161635	08/23/85	JAPAN W/ENGLISH ABSTRACT		
	CCR	59-044004	03/12/84	JAPAN W/ENGLISH ABSTRACT		
	CCS	0 392 714	10/17/90	EUROPE		
	CCT					
	CCU					
	CCV					
	CCW					
	CCX					
	CCY					
	CCZ					
	CDA					
	CDB					
	CDC					
	CDD					
	CDE					
	CDF					
	CDG					
	CDH					
	CDI					
	CDJ					
	CDK					
	CDL					
	CDM					
	CDN					

TO 2800 MAIL ROOM

NOV 14 2003

RECEIVED

NOV 06 2003

SHEET 4 OF 4

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 211897US99		SERIAL NO. 09/911,496	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Robert J. HIGGINS, et al.			
				FILING DATE July 25, 2001		GROUP 2814	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	LLAA	Peter Weiss; "Speed demon gets hooked on silicon"; Science News Online; Sept. 15, 2001; pp. 1-3					
	LLAB	"Motorola Develops New Super-Fast Chip"; USA Today; Sept. 4, 2001					
	LLAC	Lori Valigra; "Motorola Lays GaAs on Si Wafer"; AsiaBizTech; Nov. 2001pp. 1-3					
	LLAD	"Holy Grail! Motorola Claims High-Yield GaAs Breakthrough"; Micromagazine.com (no date available); pp. 1-3					
	LLAE	Jong-Gul YOON; "Growth of Ferroelectric LiNbO ₃ Thin Film on MgO-Buffered Si by the Sol-Gel Method"; Journal of the Korean Physical Society (Proc. Suppl.); Vol. 29, Nov. 1996; pp. S648-S651					
	LLAF	V. Bornand et al.; "Deposition of LiTaO ₃ thin films by pyrosol process"; Thin Solid Films 304 (1997); pp.239-244					
	LLAG	R. Droopad et al.; "Development of high dielectric constant epitaxial oxides on silicon by molecular beam epitaxy"; Materials Science and Engineering B87 (2001); pp.292-296					
	LLAH	A.K. Sharma et al.; "Integration of Pb(Zr _{0.52} Ti _{0.48})O ₃ epilayers with Si by domain epitaxy"; Applied Physics Letters, Vol. 76, No. 11; March 13, 2000; pp. 1458-1460					
	LLAI	Dwight C. Streit et al; "High Reliability GaAs-AlGaAs HBT's by MBE with Be Base Doping and InGaAs Emitter Contacts"; 8179 IEEE Electron Device Letters; 12(1991) September, No. 9, New York, US					
	LLAJ	C. Y. Hung et al; "Piezoelectrically induced stress tuning of electro-optic devices"; 320 Applied Physics Letters; 59(1991) 30 December, No. 27, New York, US					
	LLAK	J. Pipek; "Heat Flow Analysis of Long-Wavelength VCSELs with Various DBR Materials"; University of Delaware, Materials Science, Newark, DE, 19716-3106; Oct. 31, 1994; pp. 286-287					
	LLAL	P. Mackowiak et al.; "Some aspects of designing an efficient nitride VCSEL resonator"; J. Phys. D: Appl. Phys. 34(2001); pp. 954-958					
	LLAM	M.R. Wilson et al.; GaAs-On-Si: A GaAs IC Manufacturer's Perspective"; GaAs IC Symposium, IEEE, 1988; pp. 243-246					
	LLAN	Y. Kitano et al.; "Thin film crystal growth of BaZrO ₃ at low oxygen partial pressure"; Journal of Crystal Growth 243 (2002); pp. 164-169					
	LLAO	M.E. Hawley; et al; "Microstructural Study of Colossal Magneto-Resistive Films As a Function of Growth Temperature, As Deposited and Annealed"; 401, 1996; pp. 531-536					
	LLAP						
	LLAQ						
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							